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(54) Title: ASSAY FOR DETECTION OF PHOSPHATE OR CARBOHYDRATE GROUPS ON SERINE RESIDUES

(57) Abstract

The present invention provides a method for demonstrating the presence of phosphate and/or carbohydrate bound to serine residues in proteinaceous material which method comprises: providing the proteinaceous material immobilised on a solid support; derivatising the proteinaceous material with a nucleophile under conditions which selectively replace at least some of the phosphate and/or carbohydrate groups present on serine residues in the proteinaceous material with the nucleophile to form a derivatised preoteinaceous material comprising an adduct formed by the nucleophile; and detecting the derivatised proteinaceous material by recognition of the adduct formed by the nucleophile.

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